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Score: 24/25 (96.00%)

Code: 0225

1. Which one is non-metal?

- A) Mercury  
C) Brass  
B) Graphite (Correct)  
D) Iron

2. Which metal contains iron as a major content?

- A) Brass metal  
C) Zinc  
B) Bronze metal  
D) Ferrous metal (Correct)

3. What is the name of the metal which do not contain iron?

- A) Ferrous metals  
C) Insulating metals  
B) Non-ferrous metals (Correct)  
D) Non-Insulating metals

4. Which one of the following properties is the mechanical properties of metal?

- A) Fusibility  
C) Corrosion  
B) Ductility (Correct)  
D) Structure

5. Which is brittle metal?

- A) Cast iron (Correct)  
C) Mild steel  
B) Steel  
D) Alloy steel

6. Which mechanical property of a metal offers resistance to elastic deformation in a cutting tool?

- A) Ductility  
C) Hardness  
B) Malleability  
D) Toughness (Incorrect)

7. Which property of material enables to formation of permanent deformation without fracture?

- A) Elasticity  
C) Ductility  
B) Plasticity (Correct)  
D) Brittleness

8. Which property of metal has its power of returning to its original shape after the applied force is released?

- A) Malleability  
C) Elasticity (Correct)  
B) Tenacity  
D) Plasticity

9. Which property of a metal possessed by it melts when heat is applied?

- A) Conductivity  
C) Fusibility (Correct)  
B) Malleability  
D) Tenacity

10. Which alloy used in electric lamp as filament?

- A) Cobalt  
C) Tungsten (Correct)  
B) Vanadium  
D) Silicon

11. What metals contained in brass alloy?

- A) Copper and aluminium  
C) Copper and zinc (Correct)  
B) Copper and lead  
D) Copper and tin

12. Which cast iron cannot be welded?

- A) Grey cast iron  
C) Malleable cast iron  
B) White cast iron (Correct)  
D) Nodular cast iron

13. Which metal is widely used for making casting of machinery parts?

- A) Grey cast iron (Correct)  
C) Malleable cast iron  
B) White cast iron  
D) Wrought iron

14. Which furnace is used to get pig iron from iron ore?

- A) Mild steel - Rever battery  
C) Blast furnace (Correct)  
B) Electric furnace  
D) Cupola

15. What is the name of furnace to obtained cast iron?

- A) Cupola (Correct)  
C) Steel - Rever battery  
B) Mild steel - Blast furnace  
D) Alloy metal - Electric furnace

16. What is the other name of low carbon steel?

- A) Low alloy steel  
C) High speed steel  
B) High alloy steel  
D) Mild steel (Correct)

17. What is the carbon percentage in medium carbon steel?

- A) 0.05% to 0.15%  
C) 0.25% to 0.5% (Correct)  
B) 0.15% to 0.25%  
D) 0.5% to 1.5%

18. What is the carbon percentage in low carbon steel?

- A) 0.02% to 0.03%  
C) 0.25% to 0.50%  
B) 0.15% to 0.25% (Correct)  
D) 0.50% to 1.50%

19. What is the carbon percentage in high carbon steel?

A) 0.02% to 0.03%

B) 0.15% to 0.25%

C) 0.25% to 0.50%

**D) 0.50% to 1.50%  
(Correct)**

20. What is the ore of aluminium?

A) Hematite

B) Mallatite

**C) Bauxite (Correct)**

D) Lemonite

21. Which property of a metal enables it by which it can be drawn out into wires under tension without rupture?

**A) Ductility (Correct)**

B) Malleability

C) Hardness

D) Brittleness

22. Which among the following is an insulator?

A) Copper

B) Aluminium

C) Silver

**D) Mica (Correct)**

23. Which rubber is used as insulator for power cables and control wires?

A) Butyl

B) Hypalone

**C) Silicon (Correct)**

D) Nitrite butadiene

24. Which alloy steel is used to make permanent magnets?

A) Silicon steel

B) Manganese steel

C) Vanadium steel

**D) Cobalt steel (Correct)**

25. Which steel is used for making files and cold chisel?

A) Low carbon steel

B) Midium carbon steel

**C) High carbon steel  
(Correct)**

D) Stainless steel